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Smoking and the Pulmonary Blood Vessels: A Quantitative, Morphologic
Study. Grant #698R1

1. There has been a report that cigarette smoking induces a "fibrous" thickening of small pulmonary and systemic arteries and arterioles. This report is based on a subjective analysis. We are applying quantitative, histologic methods to determine if such vessels have a different structure in smokers and nonsmokers.
2. Coal workers often develop cor pulmonale. We are undertaking a quantitative, morphologic analysis of the lung in an attempt to determine which abnormalities might be responsible for the cor pulmonale. Smoking history will be considered in the final analysis of the data.

Current Grant Level: \$27,537.

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